August 8, 2016 – The Update will be sent as needed over the summer.
Follow us on Twitter & Facebook for more updates!

Events This Week
1. Partek Flow hands-on RNA-Seq data analysis training 8/9

Events Next Week
2. ASBMB–BEST Summer Webinar Series 8/17
3. SBIR Road Tour 8/18

Future Events
4. Ted Drewes and Beer Postdoc Summer Social 8/24
5. Writing a Teaching Philosophy Statement 8/30
6. PERCSS – RCR Workshop 9/14
7. Donald Danforth Plant Science Center’s 18th Annual Fall Symposium 9/28-30

Fellowships, Awards & Contests
8. Potomac Institute CReST Policy Fellowship – due 8/18
9. Christine Mirzayan Science & Technology Policy Fellowships
10. 2017 Arnold O. Beckman Postdoctoral Fellowship
11. Life Sciences Research Foundation (LSRF) Fellowship
12. Burroughs Wellcome Fund Career Awards for Medical Scientists (CAMS)
13. AAAS Science & Technology Policy Fellowships

WU Opportunities
14. WU Skandalaris Center Bear Cub Challenge - due 8/15
15. Call for Abstracts for the 2016 Neuroscience Retreat - due 8/8
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Other Opportunities
17. Adjunct Needed: WU Department of Biology
18. KGI Certificate in Bioscience Management – final call to apply for scholarships
19. CIRTL Fall Workshops & Courses

FYI
20. Science Launches the 2016 ‘Dance Your Ph.D.’ Contest
21. Postdoc T-shirts!

1. Partek Flow hands-on RNA-Seq data analysis training at WUSM - August 9, 2016
A Field Application Scientist from Partek will be at WUSM on August 9, 2016 to lead a full day training workshop. This workshop will provide hands-on training for RNA-Seq data analysis in Partek Flow with the following agenda:

**Morning Session (9:30am – 12:00pm):**
- Import data (fastq, bam, text format) and Perform QA/AC (Pre-alignment QA/AC, Post-alignment QA/QC). Then Trim bases, Align reads and perform Gene/transcript abundance estimate (E/M)
- Differential expression detection (GSA, ANOVA), Filter gene list and GO Enrichment Analysis
- Visualization: Quality score distribution, Base composition, PCA scatterplot, Dotplot, Volcano plot, Hierarchical clustering, Chromosome view

**Afternoon Session (1:00pm – 3:30pm):**
This session starts with integration of RNA-Seq and Gene Expression Microarray data in Partek Flow and ends with a Q&A session. The Q&A portion is open to researchers to who want to discuss questions about the practice data used during the workshop or their own data (feel free to bring your data for Q&A).

Registration is required, to register, please complete the online registration form. Questions? Contact Maze Ndonwi at ndonwimaze@wustl.edu or 314 362 4737.
2. ASBMB–BEST Summer Webinar Series
The American Society for Biochemistry and Molecular Biology (ASBMB) and NIH Broadening Experience in Scientific Training (BEST) will present science career webinars in summer 2016. Registration is free but limited, so register early. Recordings of the webinars will be available on the website afterward.

Building professional relationships: pragmatic advice for the human scientist - Wednesday, Aug. 17 | 12noon Central/1-2 pm Eastern
Whether you are early-career or an established member of your scientific community, developing and maintaining a network of professional contacts are helpful ways to grow your career. How do you cultivate new professional relationships? How should you professionally communicate with your network? Learn more through this one-hour webinar.

Register & more information: http://www.asbmb.org/careers/webinars/

3. SBIR Road Tour
Registration is now open for the SBIR Road Tour! August 18, 2016, 8-3pm, WU Simon Hall (Danforth Campus)
The SBIR Road Tour is a national outreach effort to convey the non-dilutive technology funding opportunity provided through the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs. Federal and State Program Managers representing the $2.5 billion in early stage funding have been invited to attend a series of events alongside technology entrepreneurs and innovation supporters from across the United States.
Individual program managers from 11 participating agencies representing $2.5 billion in early stage funding will be at the St. Louis stop where attendees will get the coveted local opportunity to hear directly from federal agency program managers, and meet one-on-one with program decision makers.
Tickets are $25, register at https://www.eventbrite.com/e/sbirsttr-road-tour-st-louis-tickets-25935905993?aff=es2&mc_cid=f7a6b4ac5b&mc_eid=0331765a42

4. Ted Drewes and Beer Postdoc Summer Social
Cool off and enjoy a St. Louis tradition with your fellow postdocs! Come enjoy delicious custards and cold beer.
When: Wednesday, August 24th at 4:30-6:00 PM
Where: Outdoor Courtyard off McDonnell Medical Sciences Building on the Medical Campus
(Rain Location: Seashell Café/Olin link area)
RSVP here: https://goo.gl/forms/iQ48PZrLHsjFxzZB2
Sponsored by the WashU Postdoc Society

5. Writing a Teaching Philosophy Statement
Tuesday, August 30, 2016, 2 pm, Holden Auditorium
If you are applying for a faculty position, it is increasingly likely that you will be asked to submit a teaching philosophy statement (TPS) during the application process. This workshop will help you write and revise a TPS, a process that will allow you to demonstrate your commitment to teaching as you describe the goals and methods that shape your teaching. Participants will learn about why academic-search committees request teaching materials such as the TPS, and how search committees use these materials to assess candidates’ qualifications for teaching.
Presenter: Michelle Repice, Ph.D., Assistant Director of Academic Services, The Teaching Center
Participation in this workshop satisfies the Teaching Philosophy Statement workshop requirement for the WU-CIRTL and Preparation in Pedagogy programs.
Register: http://dbbs.wustl.edu/Resources/Pages/calendar_event.aspx?EvID=4605

6. PERCSS - RCR Workshop
Program for the Ethical and Responsible Conduct of Science and Scholarship, Lunch will be provided.
Wednesday, September 14, 2016, 11:30 a.m. - 4:00 p.m., North Medical Building, Moore Auditorium
This workshop will feature presentations on WUSTL policies and procedures related to the responsible conduct of research (RCR) as well as case study sessions facilitated by WUSTL faculty. These small-group discussions will address important issues related to research integrity and peer review. All members of the WUSTL community who are actively engaged in research and interested in RCR are welcome to attend and participate. It is highly recommended for postdocs, career award recipients, and other junior research team members.
How to Register
Registration is required by September 12.
1. Click on this PERCSS Ethics Event link to Learn@Work.
2. Click the green "Enroll" button.
3. A registration confirmation box will appear indicating you have registered. Click close (or print, if desired).
4. Your Learn@Work training plan will now indicated you are registered for RE - PERCSS Ethics Event (on your ME Page).
7. Donald Danforth Plant Science Center’s 18th Annual Fall Symposium
Genetics & Genomics of Crop improvement
Sept 28 – 30, 2016
Registration is now open!
The Donald Danforth Plant Science Center will host its 18th annual Fall Symposium in Saint Louis, Missouri Wednesday, September 28, through Friday noon, September 30, 2016. The theme, “Genetics and Genomics of Crop Improvement”, is particularly timely as we celebrate the expansion of the Danforth Center and the progressive growth and development of crop-focused biotech in the Saint Louis region.
This year’s symposium will focus on various aspects of translational research that leverage genetics and genomics approaches to enhance crop productivity. Topics will include biomass and yield traits, abiotic stress tolerance and disease resistance, nutrient allocation, plant architecture, and crop domestication and improvement. Work in these areas will be highlighted in the context of recent advances in quantitative genetics, genomic selection, network-based gene predictions, epigenomics, and genome editing technologies.
For the most up-to-date information, please follow us on Facebook & Twitter @DanforthCenter.

8. Potomac Institute for Policy Studies CReST Policy Fellowship
Individuals who want to join an elite team to achieve advanced levels of understanding and performance in the analysis of science and technology and associated issues can apply for a year-long fellowship with the Center for Revolutionary Scientific Thought (CReST) at the Potomac Institute for Policy Studies. A CReST fellowship lasts one year, beginning Sept. 1, and applications are due Aug. 18. Two steps are involved:
1. Applicants must write a letter of interest to the CReST selection committee and address: 1) applicant's current activities and availability to undertake additional duties of a CReST fellowship; 2) applicant’s current career path and future aspirations; 3) self-assessment of applicant's ability at logical reasoning and innovative thought; 4) examples of past projects or activities the applicant has accomplished. Letter and resume must be mailed/e-mailed by Aug. 18 to Dr. Robert Hummel, Chief Scientist, Potomac Institute for Policy Studies, 901 N. Stuart St., Suite 200, Arlington, VA 22202, rhummel@potomicstitute.org.
2. A final selection is based on personal interviews with the selection committee. The interview will include questions and discussion that ask the candidate to think and respond to specific challenges.
For more information on CReST, visit the Academic Center page on the Potomac Institute web site.

9. Christine Mirzayan Science & Technology Policy Fellowships
The Christine Mirzayan Science & Technology Policy Graduate Fellowship Program, now in its 19th year, provides early career individuals with the opportunity to spend 12 weeks at the Academies in Washington, DC learning about science and technology policy and the role that scientists and engineers play in advising the nation. Applicants MUST submit all of the application materials by September 6, 2016.
More information and to apply: http://sites.nationalacademies.org/PGA/policyfellows/PGA_048504

10. 2017 Arnold O. Beckman Postdoctoral Fellowship
Submission deadline: 9/19/16 by 5 pm Pacific
For a postdoctoral scholar with the highest potential for success in an independent academic career in chemistry and the life sciences, to assist in their transition from “mentored yet independent” postdoctoral projects to an independent, tenure-track position. These individuals are expected to become the next generation of leaders and innovators in science, engineering, and technology.
Please find more details on how to apply here: http://www.beckman-foundation.org/programs/beckman-postdoctoral-fellows
If you have questions regarding the Arnold O. Beckman Postdoctoral Fellowship Program after reviewing the online application and Program Overview section, please contact: srikanta@wustl.edu.

11. Life Sciences Research Foundation (LSRF) Fellowship
Deadline is 10/1, reference letters due 11/1
Individuals who have held a PhD or MD degree for more than 5 years at the time of application are not eligible for an LSRF fellowship. U.S. citizens are eligible to work in any geographic location while holding an LSRF fellowship. Non-U.S. citizens must work in a U.S. laboratory to be eligible for an LSRF fellowship. Individuals intending to remain in their thesis labs to complete their proposed LSRF postdoctoral research project are not eligible for an LSRF fellowship. You must complete your LSRF research project in a different lab. Working as a postdoc in your thesis lab for a brief period before moving to your new postdoc lab is acceptable.
http://www.lsrf.org/apply

12. Burroughs Wellcome Fund Career Awards for Medical Scientists (CAMS)
Deadline is 10/3, 4 pm EDT
The Career Awards for Medical Scientists (CAMS) is a highly competitive program that provides $700,000 awards over five years for physician-scientists, who are committed to an academic career, to bridge advanced postdoctoral/fellowship training and the early years of faculty service. Competitive candidates for the CAMS award must have at least two years or more of postdoctoral research experience, be two years away from becoming an independent investigator, be a first author on at least one publication in a high impact top-tier journal, and have a significant publication record. Candidates must hold an M.D., D.D.S., D.V.M., or D.O. degree. More information: [http://www.bwfund.org/grant-programs/biomedical-sciences/career-awards-medical-scientists](http://www.bwfund.org/grant-programs/biomedical-sciences/career-awards-medical-scientists)

13. AAAS Science & Technology Policy Fellowships
AAAS Science & Technology Policy Fellowships (STPF) provide opportunities to outstanding scientists and engineers to learn first-hand about policymaking and contribute their knowledge and analytical skills in the policy realm. Fellows serve yearlong assignments in the federal government and represent a broad range of backgrounds, disciplines, and career stages. Each year, STPF adds to a growing corps over 3,000 strong of policy-savvy leaders working across academia, government, nonprofits, and industry to serve the nation and citizens around the world. The application deadline is November 1, 11:59 p.m. ET. For more information about the AAAS Science & Technology Policy Fellowships, please visit our website at [http://www.aaas.org/stpf](http://www.aaas.org/stpf). Questions? Please contact us at fellowships@aaas.org or 202-326-6700.

14. WU Skandalaris Center Bear Cub Challenge – Deadline Extended
Washington University’s Bear Cub Challenge awards help researchers make the leap from bench scientists to budding entrepreneurs. Investigators developing new drugs, technologies or diagnostic tests often have trouble finding funding to demonstrate the commercial feasibility of their research. Federal funding usually doesn’t cover such proof-of-concept projects. The Bear Cub Challenge is open to faculty, postdocs, and graduate students who have previously submitted an invention disclosure to the OTM, or who submit an invention disclosure concurrently with their Bear Cub application. Applicants should post a 2-sentence, non-confidential summary of concept to the [website by August 15th](http://www.bwfund.org/otm/bearcub/registration). For questions, contact Emre Toker (toker@wustl.edu).

15. Call for Abstracts for the 2016 Neuroscience Retreat
Plan to attend this year's annual Neuroscience retreat, Thursday afternoon September 22 - Friday September 23 at Rend Lake Resort. The goal of this decades-long retreat is to foster scientific and social interactions among faculty, post docs, and students across departments and PhD programs. Here, we invite presenters to submit an abstract.

Keynote Speakers:
- **Randy Buckner, PhD**, Professor of Psychology and Neuroscience, Harvard University
- **Catherine Woolley, PhD**, William Deering Professor of Neurobiology, Northwestern University

**Invitation to present your work:** You are encouraged to present your work as a short talk or poster. If requests for short talks exceed the number of slots, we'll screen and select with an aim for balance across scientific topics, approaches, and PhD programs.

Abstract submission deadline: **Monday August 8** (midnight). To submit, complete the abstract submission form (link below). If you prefer to not use the web form for your submission, please contact Shelly Cooper for additional instructions.

**Click here, Abstract Submission Form, to submit!**

**Tom Thach Award**
Graduate students and post doc presenters are eligible to compete for a **Tom Thach Award**. The Tom Thach award was initiated at the 2014 Neuroscience Retreat to honor Tom’s scientific contributions as well as his musical entertainment at many past Retreats. Two winners will be selected (one from the short talks and one from the posters) and each will receive $500. To be eligible, the work must have been completed at Washington University, and the presenter must be the primary person responsible for the research results. The Tom Thach Awards are made possible by support from the McDonnell Center for Cellular and Molecular Neurobiology and the McDonnell Center for Systems Neuroscience.

**Questions or concerns?** Please contact **Stephanie McManus**.

Thanks, and we look forward to your submission!

The Neuroscience Retreat Committee

16. Postdoc Tuition Benefit
Registration for Fall 2016 classes are open! Fall classes begin August 29th. Register now to guarantee your seat in the class! More info about how to register and what you can take at [http://dbbs.wustl.edu/Postdocs/PoliciesBenefits/Pages/PostdocTuitionBenefit.aspx](http://dbbs.wustl.edu/Postdocs/PoliciesBenefits/Pages/PostdocTuitionBenefit.aspx)

17. Adjunct Needed: WU Department of Biology
The WU Department of Biology is hiring a temporary part time lecturer to teach a cell biology course during spring 2017 as a sabbatical replacement. The job candidate must have a PhD, preferably in Cell Biology, and previous teaching experience. Participation in professional development in the area of teaching and learning would be desirable. The course is an upper level undergraduate cell bio course, 3 credits, that meets 3 times per week, MWF, starting the week of Jan 17, 2017. End of semester is April 28, with spring break March 13-17, and exams during the week of May 4-May 10. The materials used last spring
and course structure/logistics information (plus input from Ram Dixit, the faculty member who usually teaches this) would be provided and the person teaching can use those materials directly and without modification if they so desire. (i.e., power points, syllabus, logistical arrangements, reading assignments, etc). There are TAs assigned to the course. Usually, there are 200 students enrolled. We might consider a team-taught approach with two or three people collaborating. Please contact Kathy Miller (miller@wustl.edu), Chair of Biology, WUSTL, if you are interested in applying for this opportunity.

18. KGI Certificate in Bioscience Management

ANNOUNCING THE CERTIFICATE IN BIOSCIENCE MANAGEMENT and The KGI-Burroughs Wellcome Fund Scholarships

A 12-credit Online Program for PhD Students and Postdoctoral Scientists

Keck Graduate Institute (KGI) will offer the Certificate in Bioscience Management during the 2016-17 academic year in an online format. In support of the launch of this new program, 10 PhD students or postdoctoral scientists will be awarded a KGI Burroughs Wellcome Fund scholarship during the 2016-17 academic year. The classes are taken remotely using the innovative Minerva online Active Learning Forum to facilitate synchronous active-learning based education. The time commitment is substantial with 6 credit-hours per semester for two semesters; but it can be accomplished while pursuing full-time work or research at your current institution.

This is a unique and exciting opportunity for PhD students and postdoctoral fellows with backgrounds in sciences to acquire the business, management and networking skills needed to successfully transition to the life sciences industry. The goal of this certificate program is to offer supplemental education to scientists interested in pursuing careers in the applied life sciences industry, or who are interested in learning about the process of commercial development of new therapies.

The coursework includes:

- ALS 350: Finance and Accounting Principles (Fall Semester Tuesdays 9am-10:20am)
- ALS 351: Corporate Finance (TBD Spring Semester)
- ALS 354: Bioscience Strategy (TBD Spring Semester)
- ALS 359: Introduction to Bioscience Industries (Fall Semester Mon & Wed 9am-10:20am)
- ALS 498: Professional Development for Scientists (Fall Semester Fridays 9am-10:20am)

The courses will be offered:

- **Fall Semester 2016** (Aug 29- Dec 16) and **Spring Semester 2017** (Jan 17- May 12). Times indicated are Pacific Time.

To apply or to learn more, email admissions@kgi.edu for more information.

19. CIRTL Fall Workshops & Courses

**Teaching with Technology**

On Tuesdays starting Sept. 13. Weekly online meetings at 3-4:30PM ET/2-3:30PM CT/1-2:30PM MT/12-1:30PM PT

Learn how to enhance your STEM teaching with a range of classroom technologies in this seminar-style class taught by instructors from Northwestern University and the University of Maryland, College Park. (1 credit - optional)

**Creating Assessments and Evaluation Plans**

On Tuesdays starting Sept. 13. Weekly online meetings at 12-1:30PM ET/11AM-12:30PM CT/10-11:30AM MT/9-10:30AM PT

Learn and develop effective techniques to assess what your students are actually learning in this class taught by instructors from University of Pittsburgh. (0 credits)

**Diversity in the College Classroom: Teaching the STEM Undergraduate**

On Thursdays starting Sept. 29. Weekly online meetings at 11AM-12:30PM ET/10-11:30AM CT/9-10:30AM MT/8-9:30AM PT

Develop inclusive teaching practices to support all STEM learners in this class taught by instructors from Vanderbilt University and Rice University. (1 credit - optional)

**An Introduction to Evidence-Based Undergraduate STEM Teaching (MOOC I)**

This 8-week MOOC begins mid-September

Learn the basics of evidence-based instruction in this MOOC, taught by faculty from across the CIRTL Network. Unlike the rest of our cross-Network activities, the MOOC is entirely asynchronous, meaning students can work independently throughout the 8-week course. Go to http://stemteachingcourse.org to read more. (0 credits)

**Advancing Learning through Evidence-Based STEM Teaching (MOOC II)**

This 8-week MOOC begins mid-September

Learn how to develop your own evidence-based instructional approaches in this 8-week, asynchronous MOOC taught by faculty from across the CIRTL Network. Go to http://stemteachingcourse.org to read more. (0 credits)

20. Science Launches the 2016 ‘Dance Your Ph.D.’ Contest

Calling all scientists! We want to know what your Ph.D. research is about. But forget the PowerPoint slideshow. We don't even want to hear you talk. We want to see you dance.

The ninth annual Science/AAAS Dance Your Ph.D. contest is open! Got a free weekend this summer? Get together with your friends and labmates and make a dance video. It can be any style, from ballet and breakdancing to your own highly abstract interpretive
dance. The final product should be not only fun to watch but helpful for others to gain an understanding of your scientific research. If you can pull that off, you can win a portion of the $2500 cash prize.
The deadline for submissions is 30 September. To enter the contest, and to see examples of past winners for inspiration, visit the contest homepage.

Good luck, scientists. Get your #DanceYourPhD on!


Don't forget to check out the DBBS Jobs Board at http://dbbs.wustl.edu/jobs. We have posted Career positions and postdoctoral positions both at WU and elsewhere. The board is self-service, so feel free to post jobs, or forward the site to others who may want to post a job.

We are on Twitter & Facebook! The audience for both accounts is current WU postdocs but they are open anyone, so please like our FB page and follow us on Twitter! We'll be posting info about OPA & WUPS events and Career Center activities as well as other events and items of interest to postdocs. You can find us at:

Twitter: @WUSTLPostdoc, WUSTL Postdoc Office http://twitter.com/wustlpostdoc
Facebook: https://www.facebook.com/OPA.WUSTL, Washington University Office of Postdoctoral Affairs

We also have a LinkedIn Group for current & alumni postdocs - Washington University in St. Louis Postdocs - please join if you haven’t already. This is a private group for career development and networking and is meant to help postdocs keep in touch, especially after they complete their postdoc.

This newsletter was created for STEM (Science, Technology, Engineering and Math) Postdoctoral Appointees at Washington University. You have received this email because you have been identified as a postdoc or other associated with postdoc functions. If you have questions, please contact the Office of Postdoctoral Affairs at postdoc@wusm.wustl.edu.